

**Notice of Allowability**

Application No.

10/051,187

Examiner

Sikha Roy

Applicant(s)

SALAM, HASSAN PADDY ABDEL

Art Unit

2879

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6 OCTOBER 2003.
2. ☒ The allowed claim(s) is/are 38-65,75-83 and 92-154.
3. ☒ The drawings filed on 22 January 2002 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☒ Certified copies of the priority documents have been received in Application No. 09/196,358.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.
5. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
  - (a) ☐ The translation of the foreign language provisional application has been received.
6. ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE**

7. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
8. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No. \_\_\_\_\_.
  - (b) ☐ including changes required by the proposed drawing correction filed \_\_\_\_\_, which has been approved by the Examiner.
  - (c) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No. \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the margin according to 37 CFR 1.121(d).

9. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

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|--|---|
| 1 <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5 <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)          |
| 2 <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 6 <input type="checkbox"/> Interview Summary (PTO-413), Paper No. _____.            |
| 3 <input checked="" type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No. <u>1202,0703</u> | 7 <input checked="" type="checkbox"/> Examiner's Amendment/Comment                  |
| 4 <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material                      | 8 <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
|  | 9 <input type="checkbox"/> Other _____  |

### **DETAILED ACTION**

The Amendment, filed on July 2, 2003 has been entered and is acknowledged by the Examiner.

Cancellation of claims 66-74,84-91 and addition of new claims 108-154 have been entered.

The terminal disclaimer filed on October 6, 2003 disclaiming the terminal portion of any patent granted on this application which would extend beyond the expiration date of U.S. Patent 6,346,771 has been reviewed and is accepted. The terminal disclaimer has been recorded.

Applicant's arguments filed July 2, 2003 have been fully considered and are persuasive. The rejection of the application has been withdrawn. No any prior art disclosing applicant's invention has been found and therefore the application is in condition for allowance.

### **EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows.

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The title of the invention is not descriptive. In pursuant to MPEP § 606.01 the title has been changed as follows.

--HIGH POWER LED LAMP WITH PLURALITY OF LIGHT-EXTRACTING SURFACES--.

***Allowable Subject Matter***

Claims 38-65, 75-83 and 92-154 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

Regarding claims 38, 53, 56, 60, 64, 92,100, 108, 125 and 136, the references of the Prior Art of record fails to teach or suggest an LED lamp for generating incoherent visible light having the combination of the limitations as set forth in claims 38, 53,56,60,64,92,100,108,125 and 136, and specifically comprising the limitation of plurality of cavities in the semiconductor structure providing several light-extraction surfaces that are distant from the outer side faces.

Claims 39-52, 138, 139, 145, 146, 148, 150-154 are allowable for the reasons given in claim 38 because of their dependency status from claim 38.

Claims 54,55 are allowable for the reasons given in claim 53 because of their dependency status from claim 53.

Claims 57-59,140 are allowable for the reasons given in claim 56 because of their dependency status from claim 56.

Claims 61-63 are allowable for the reasons given in claim 60 because of their dependency status from claim 60.

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Claim 65 is allowable for the reasons given in claim 64 because of its dependency status from claim 64.

Claims 93-99, 141 and 142 are allowable for the reasons given in claim 92 because of their dependency status from claim 92.

Claims 101-107, 143, 144 and 147 are allowable for the reasons given in claim 100 because of their dependency status from claim 100.

Claims 109, 110 and 149 are allowable for the reasons given in claim 108 because of their dependency status from claim 108.

Claims 126-135 are allowable for the reasons given in claim 125 because of their dependency status from claim 125.

Claim 137 is allowable for the reasons given in claim 136 because of <sup>its</sup> ~~their~~ dependency status from claim 136.

Regarding claims 75, 77, 78, 81 and 111, the references of the Prior Art of record fail to teach or suggest an LED lamp for generating incoherent visible light having the combination of the limitations as set forth in claims 75, 77, 78, 81 and 111 specifically comprising the limitation of plurality of grooves in the semiconductor structure, each groove having a light-emitting side wall that meets the upper face and is inclined at an obtuse angle and containing a metallic reflector for reflecting rays from the light-emitting side-wall.

Claim 76 is allowable for the reasons given in claim 75 because of its dependency status from claim 75.

Claims 79,80 are allowable for the reasons given in claim 78 because of their dependency status from claim 78.

Claims 82,83 are allowable for the reasons given in claim 81 because of their dependency status from claim 81.

Claims 112-124 are allowable for the reasons given in claim 111 because of their dependency status from claim 111.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### **Contact Information**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sikha Roy whose telephone number is (703) 308-2826. The examiner can normally be reached on Monday-Friday 8:00 a.m. – 4:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimeshkumar D. Patel can be reached on (703) 305-4794. The fax phone number for the organization is (703) 308-7382.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

*S.R.*

Sikha Roy  
Patent Examiner  
Art Unit 2879

*Nimesh Kumar D. Patel*

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